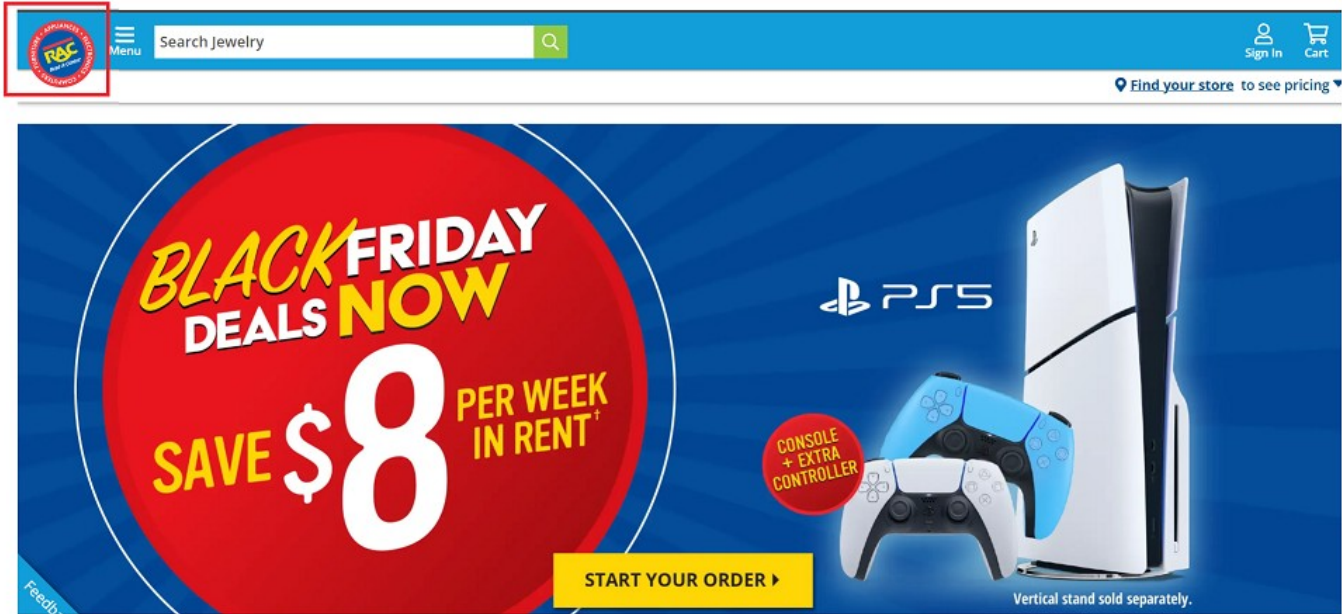
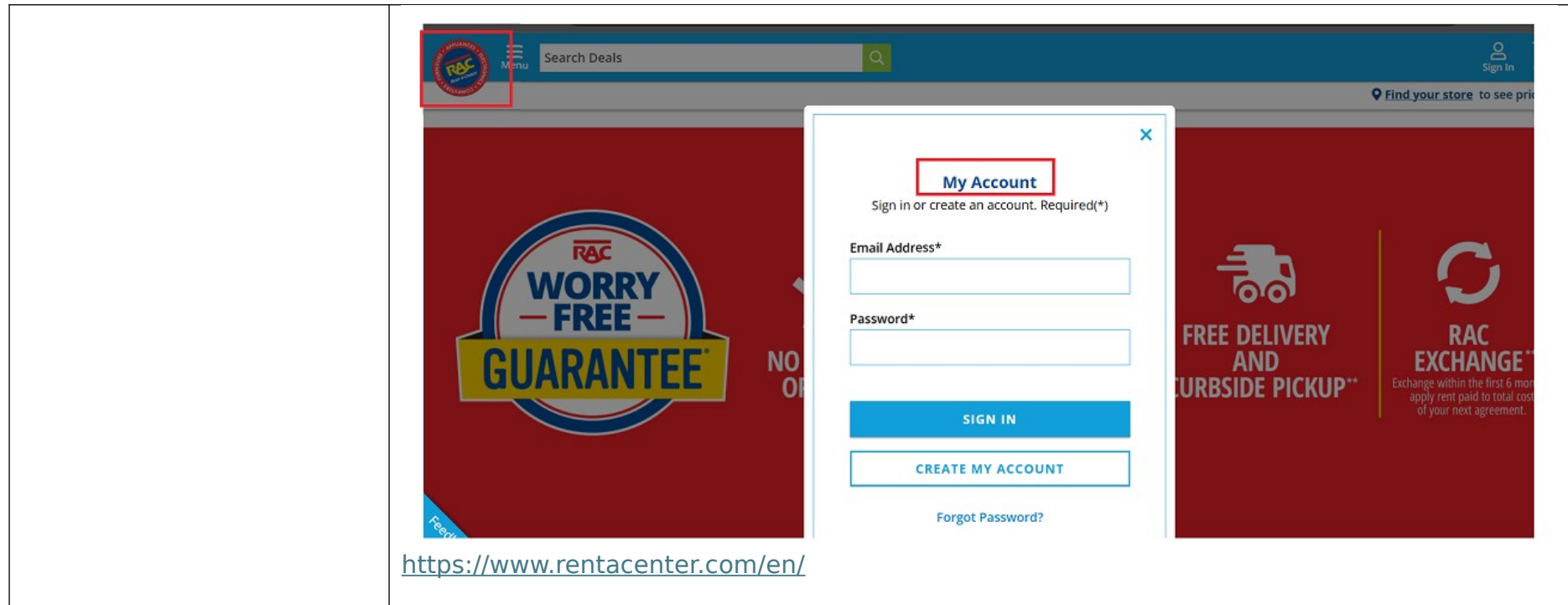
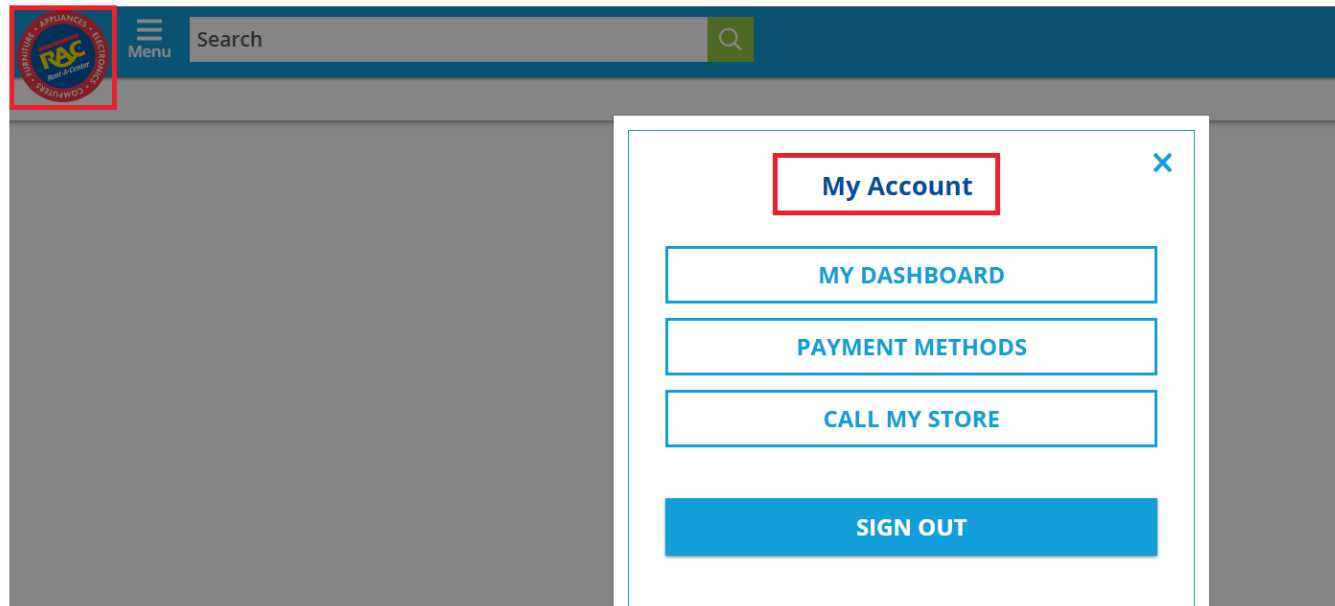


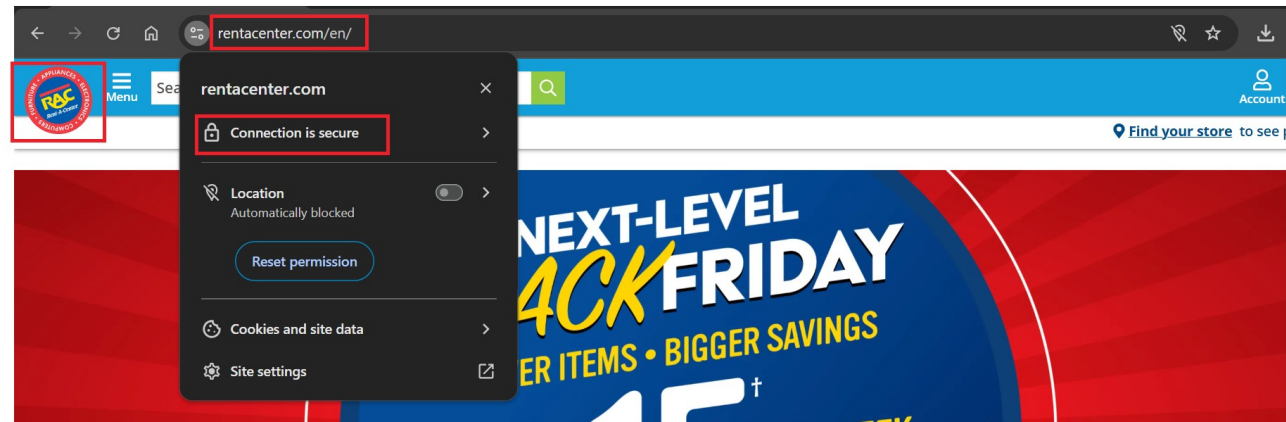
Exhibit 2

<p>US8677116B1</p> <p>1. A method of using a computer system to authenticate a user seeking to conduct at least one interaction with a secured capability provided by a computer, the method comprising:</p>	<p>Rent-A-Center, Inc's website "rentacenter.com" ("The accused instrumentality")</p> <p>The accused instrumentality practices a method of using a computer system (e.g., authentication server of the accused instrumentality, etc.) to authenticate a user seeking to conduct at least one interaction (e.g., account login, etc.) with a secured capability provided by a computer (e.g., server of the accused instrumentality).</p> <p>As shown, the website of the accused instrumentality practices providing secure connection with a user's device (electronic device of the user) through HTTPS connections. This is achieved by an authentication server (a computer system) authenticating users seeking to perform actions such as account login, etc., (interactions) ensuring that interactions with secured features are protected from unauthorized access.</p>  <p>https://www.rentacenter.com/</p>
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<https://www.rentacenter.com/en/>



<https://www.rentacenter.com/en/>

Security overview



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Certificate - **valid and trusted**

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Connection - **secure connection settings**

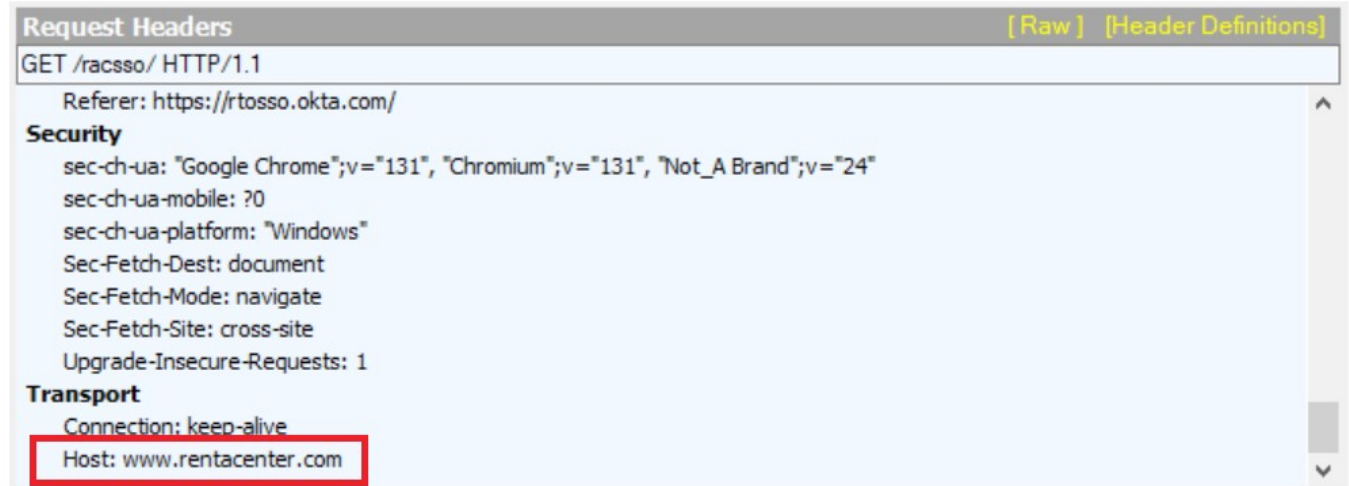
The connection to this site is encrypted and authenticated using TLS 1.3, X25519, and AES_256_GCM.



Resources - **all served securely**

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Source: Fiddler capture of the accused instrumentality

Name	Value	Do...	Path	Expires / Max-Age	S...	Http...	Secure	Sa...	Part...	Cro...	Prio...
A3	d=AQABBJ_C-2Y...	.yah...	/	2025-11-25T15:...	1...	✓	✓	None			Me...
AWSELB	1FB3C5291EB9A...	ww...	/	Session	1...	✓	✓	None			Me...
BrowserId	KFXr66iJEe-gtNs...	rent...	/	2025-11-22T04:...	3...		✓	None			Me...
BrowserId	Q7Jtnw_IJe-GDw...	.for...	/	2025-10-01T11:...	3...		✓	None			Me...
CookieConsent...	0:1	rent...	/	2025-11-22T04:...	2...		✓	None			Me...
IDSYNC	"175s~2ltf:176l~...	.ana...	/	2025-11-25T04:...	3...		✓	None			Me...
JSESSIONID	24B39413918A3...	ww...	/	Session	5...	✓	✓				Me...
LSKey-c\$Cooki...	0:1	rent...	/	2025-11-22T04:...	3...		✓	None			Me...
MR	0	.bat...	/	2024-11-28T11:...	3		✓	None			Me...
MSPTC	7cn7vsZiAiWk a	bin	/	2025-12-17T04:	4		✓	None	http	✓	Me...

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using the computer system to receive a first signal from

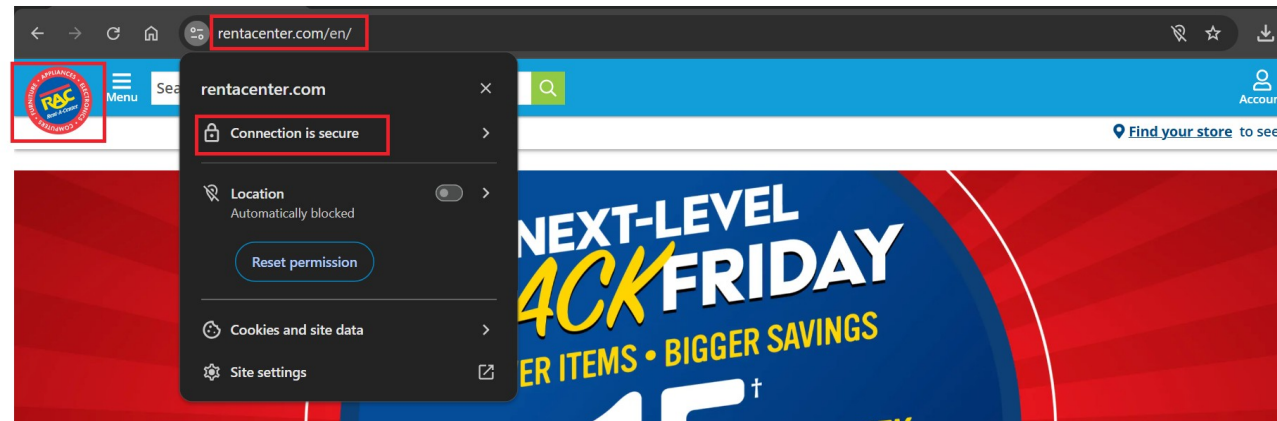
The accused instrumentality practices using the computer system (e.g., authentication server of the accused instrumentality, etc.) to receive a first signal (e.g., a JSESSIONID set

the computer providing the secured capability, the first signal comprising a reusable identifier corresponding to the secured capability, the reusable identifier assigned for use by the secured capability for a finite period of time;

response, etc.) from the computer (e.g., server of the accused instrumentality) providing the secured capability (e.g., secure connection with the website, etc.), the first signal comprising a reusable identifier (e.g., JSESSIONID, etc.) corresponding to the secured capability (e.g., secure connection with the website, etc.), the reusable identifier assigned for use by the secured capability for a finite period of time (e.g., Max-Age).

As shown, the website of the accused instrumentality practices providing secure connection with a user's device (electronic device of the user) through HTTPS connections. This is achieved by an authentication server (a computer system) authenticating users seeking to perform actions such as account login, etc., (interactions) ensuring that interactions with secured features are protected from unauthorized access. The server sends a response to set JSESSIONID value, which is set by the user device.

As shown, the JSESSIONID token set by the end device is reused in all further communications with the server. The JSESSIONID token also mentions a Max-Age for the token, indicating that it can be reused for a finite period.



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Security overview



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Connection - **secure connection settings**

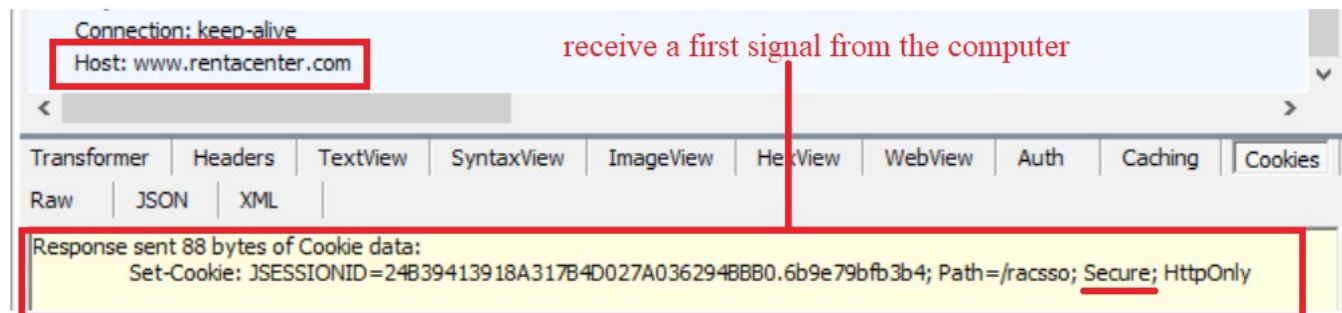
The connection to this site is encrypted and authenticated using TLS 1.3, X25519, and AES_256_GCM.



Resources - **all served securely**

All resources on this page are served securely.

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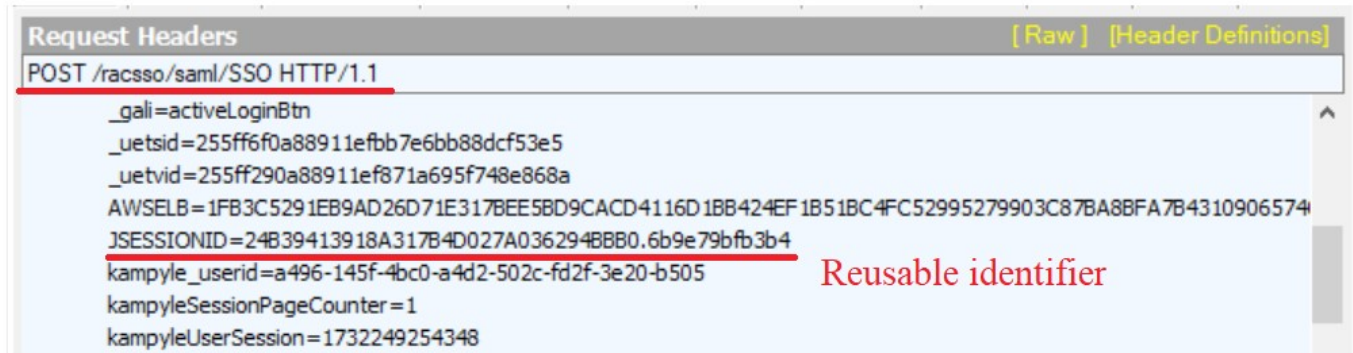


Source: Fiddler captures of the accused instrumentality

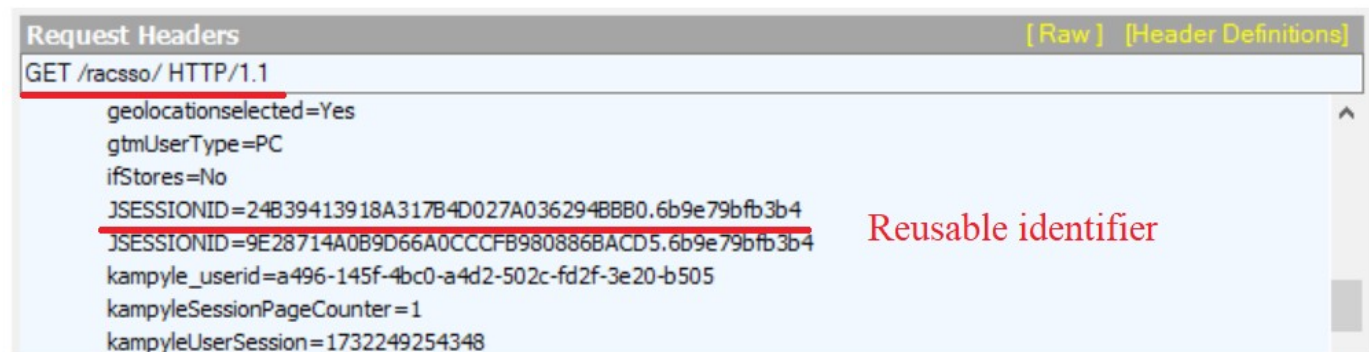
Name	Value	Do...	Path	Expires / Max-Age	S...	Http...	Secure	Sa...	Part...	Cro...	Prio...
A3	d=AQABBJ_C-2Y...	.yah...	/	2025-11-25T15:...	1...	✓	✓	None			Me...
AWSELB	1FB3C5291EB9A...	ww...	/	Session	1...	✓	✓	None			Me...
BrowserId	KFXr66iJEe-gtNs...	rent...	/	2025-11-22T04:...	3...		✓	None			Me...
BrowserId	Q7Jtnw_lEe-GDw...	.for...	/	2025-10-01T11:...	3...		✓	None			Me...
CookieConsent...	0:1	rent...	/	2025-11-22T04:...	2...		✓	None			Me...
IDSYNC	"175s~2ltf:176l~...	.ana...	/	2025-11-25T04:...	3...		✓	None			Me...
JSESSIONID	24B39413918A3...	ww...	/	Session	5...	✓	✓				Me...
LSKey-c\$Cooki...	0:1	rent...	/	2025-11-22T04:...	3...		✓	None			Me...
MR	0	.bat...	/	2024-11-28T11:...	3		✓	None			Me...
MSPTC	7cnZvsZiAiWk a	bin	/	2025-12-17T04...	4		✓	None	http	✓	Me...

Finite period of time

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Source: Fiddler Capture of the accused instrumentality



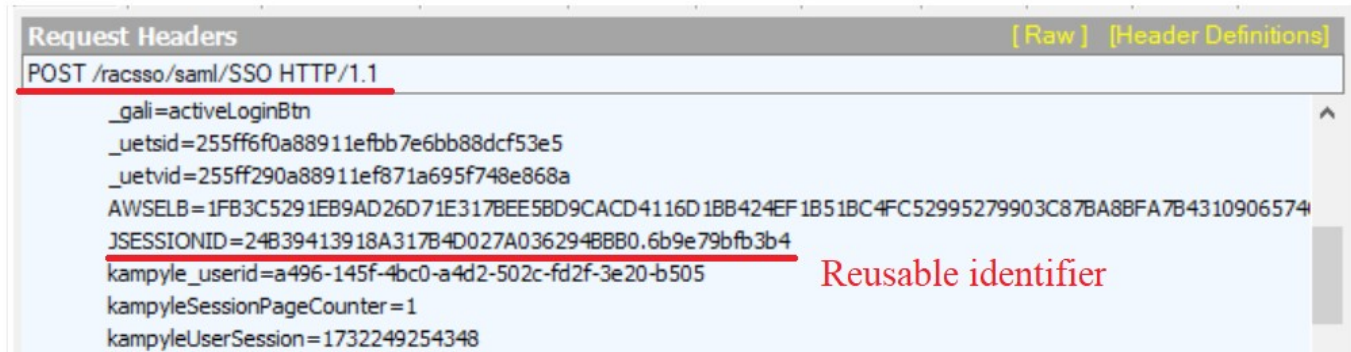
Source: Fiddler Capture of the accused instrumentality

using the computer system to receive a second signal from an electronic device being used by the user, the second signal comprising a copy of the reusable identifier and user verification information;

The accused instrumentality practices using the computer system (e.g., authentication server of the accused instrumentality, etc.) to receive a second signal (e.g., a request signal from the user device) from an electronic device being used by the user, the second signal (e.g., request signal from the user device) comprising a copy of the reusable identifier (e.g., JSESSIONID, etc.) and user verification information (e.g., kampyle_userid).

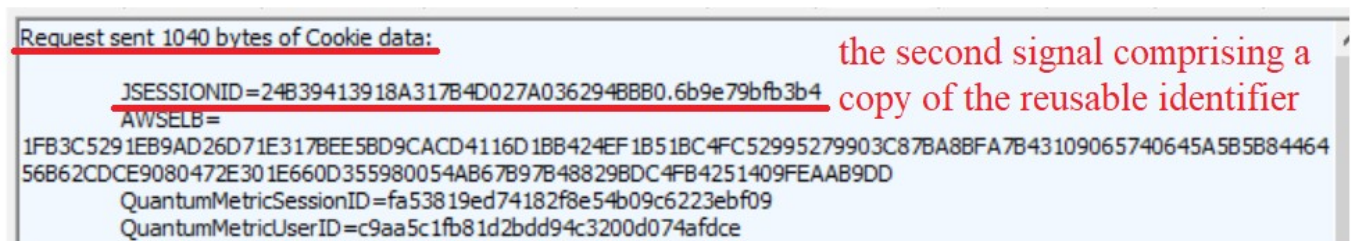
When the server sends a message containing an FPID to the user device, the client includes a copy of the JSESSIONID in all subsequent requests to the server, along with user

verification information (e.g., kampyle_userid credentials). This allows the server to authenticate the client for the duration of the session and ensure secure communication between the client and server.



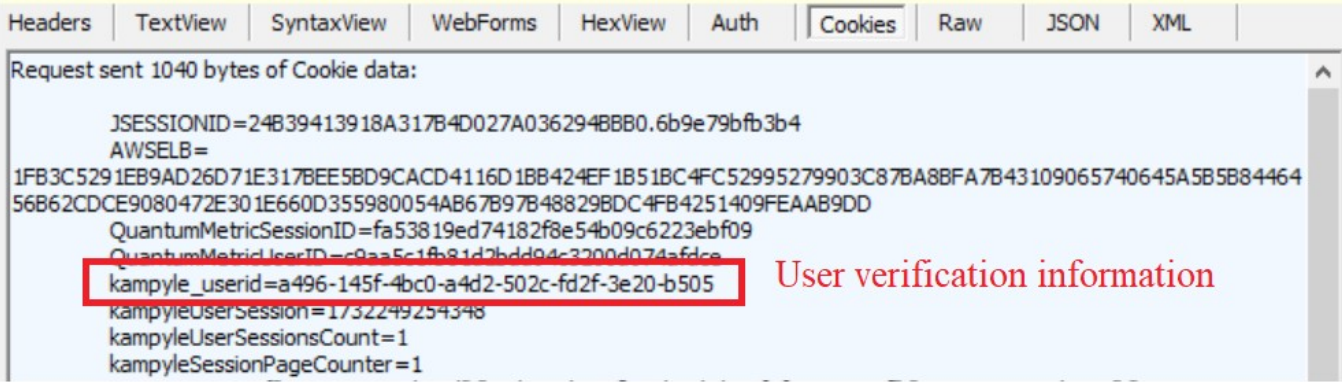
```
Request Headers [Raw] [Header Definitions]
POST /racsso/saml/SSO HTTP/1.1
_gali=activeLoginBtn
_uetsid=255ff6f0a88911efbb7e6bb88dcf53e5
_uetvid=255ff290a88911ef871a695f748e868a
AWSELB=1FB3C5291EB9AD26D71E317BEE5BD9CACD4116D1BB424EF1B51BC4FC52995279903C87BA8BFA7B4310906574
JSESSIONID=24B39413918A317B4D027A0362948BB0.6b9e79bfb3b4
kampyle_userid=a496-145f-4bc0-a4d2-502c-fd2f-3e20-b505
kampyleSessionPageCounter=1
kampyleUserSession=1732249254348
```

Source: Fiddler Capture of the accused instrumentality



```
Request sent 1040 bytes of Cookie data:
JSESSIONID=24B39413918A317B4D027A0362948BB0.6b9e79bfb3b4
AWSELB=
1FB3C5291EB9AD26D71E317BEE5BD9CACD4116D1BB424EF1B51BC4FC52995279903C87BA8BFA7B43109065740645A5B5B84464
56B62CDCE9080472E301E660D355980054AB67B97B48829BDC4FB4251409FEAAB9DD
QuantumMetricSessionID=fa53819ed74182f8e54b09c6223ebf09
QuantumMetricUserID=c9aa5c1fb81d2bdd94c3200d074afdce
```

Source: Fiddler capture of the accused instrumentality

	 <p>Source: Fiddler capture of the accused instrumentality</p>
<p>using a processor of the computer system to evaluate, based at least on the first signal and the second signal, whether the user is authorized to conduct the at least one interaction with the secured capability; and</p>	<p>The accused instrumentality practices using a processor of the computer system (e.g., processor of the authentication server of the accused instrumentality, etc.) to evaluate, based at least on the first signal (e.g., a JSESSIONID set response, etc.) and the second signal (e.g., a request signal from the user device), whether the user is authorized to conduct the at least one interaction (e.g., account login, etc.) with the secured capability (e.g., secure connection with the website, etc.).</p> <p>The server compares the reusable identifier, such as the token (e.g., JSESSIONID), in the first response received from the server with the token included in the client's subsequent request. If a match is found, the server authenticates the user and processes the request securely.</p>



Source: Fiddler captures of the accused instrumentality

Name	Value	Do...	Path	Expires / Max-Age	S...	Http...	Secure	Sa...	Part...	Cro...	Prio...
A3	d=AQABBJ_C-2Y...	.yah...	/	2025-11-25T15:...	1...	✓	✓	None			Me...
AWSELB	1FB3C5291EB9A...	ww...	/	Session	1...	✓	✓	None			Me...
BrowserId	KFXr66iJEe-gtNs...	rent...	/	2025-11-22T04:...	3...		✓	None			Me...
BrowserId	Q7Jtnw_lEe-GDw...	.for...	/	2025-10-01T11:...	3...		✓	None			Me...
CookieConsent...	0:1	rent...	/	2025-11-22T04:...	2...		✓	None			Me...
IDSYNC	"175s~2ltf:176l~...	.ana...	/	2025-11-25T04:...	3...		✓	None			Me...
JSESSIONID	24B39413918A3...	ww...	/	Session	5...	✓	✓				Me...
LSKey-c\$Cooki...	0:1	rent...	/	2025-11-22T04:...	3...		✓	None			Me...
MR	0	.bat...	/	2024-11-28T11:...	3		✓	None			Me...
MSPTC	7cnZvsZiAiWk a	bin	/	2025-12-17T04...	4		✓	None	http	✓	Me...

Finite period of time

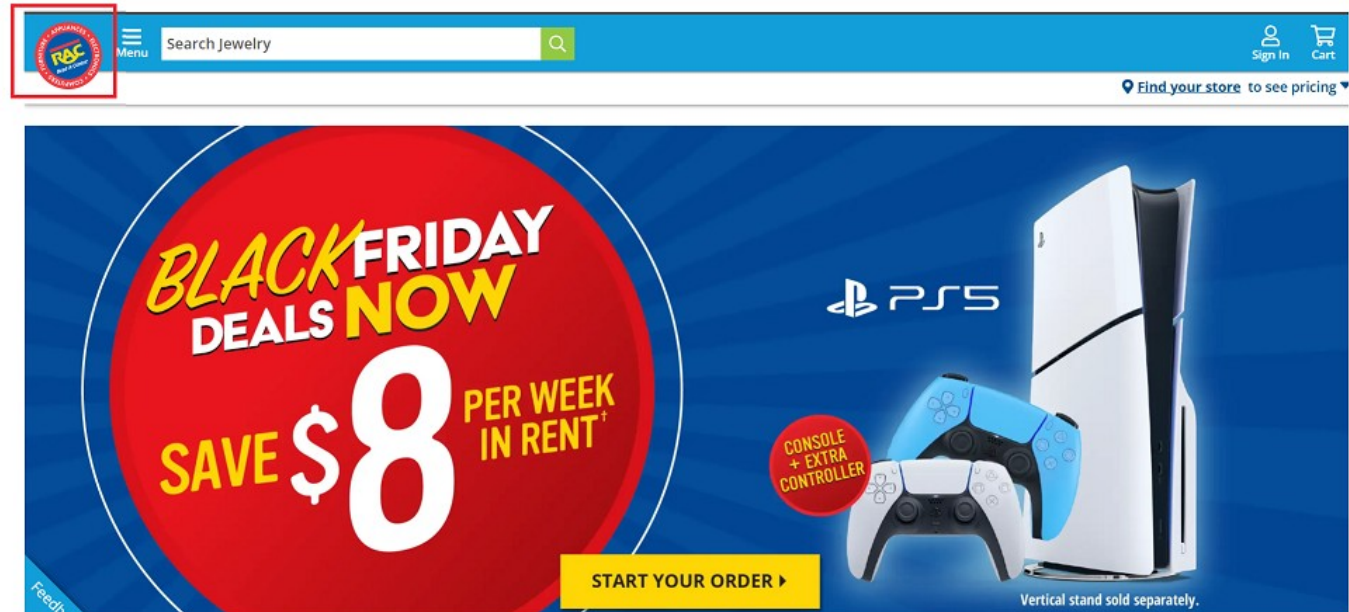
<https://www.rentacenter.com/en/>

Request sent 1040 bytes of Cookie data:

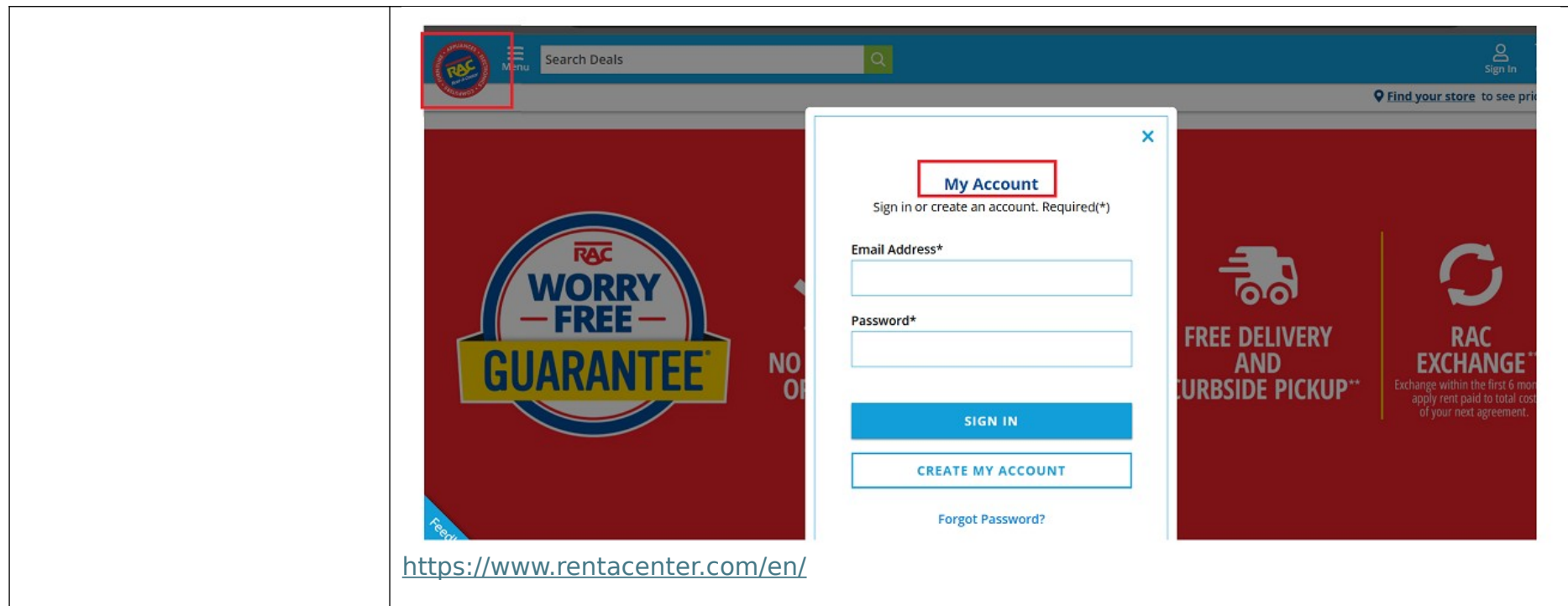
JSESSIONID=24B39413918A317B4D027A0362948BB0.6b9e79bfb3b4
AWSSELB=
1FB3C5291EB9AD26D71E317BEE5BD9CACD4116D1BB424EF1B51BC4FC52995279903C87BA8BFA7B43109065740645A5B5B84464
56B62CDCE9080472E301E660D355980054AB67B97B48829BDC4FB4251409FEAAB9DD
QuantumMetricSessionID=fa53819ed74182f8e54b09c6223ebf09
QuantumMetricUserID=c9aa5c1fb81d2bdd94c3200d074afdce

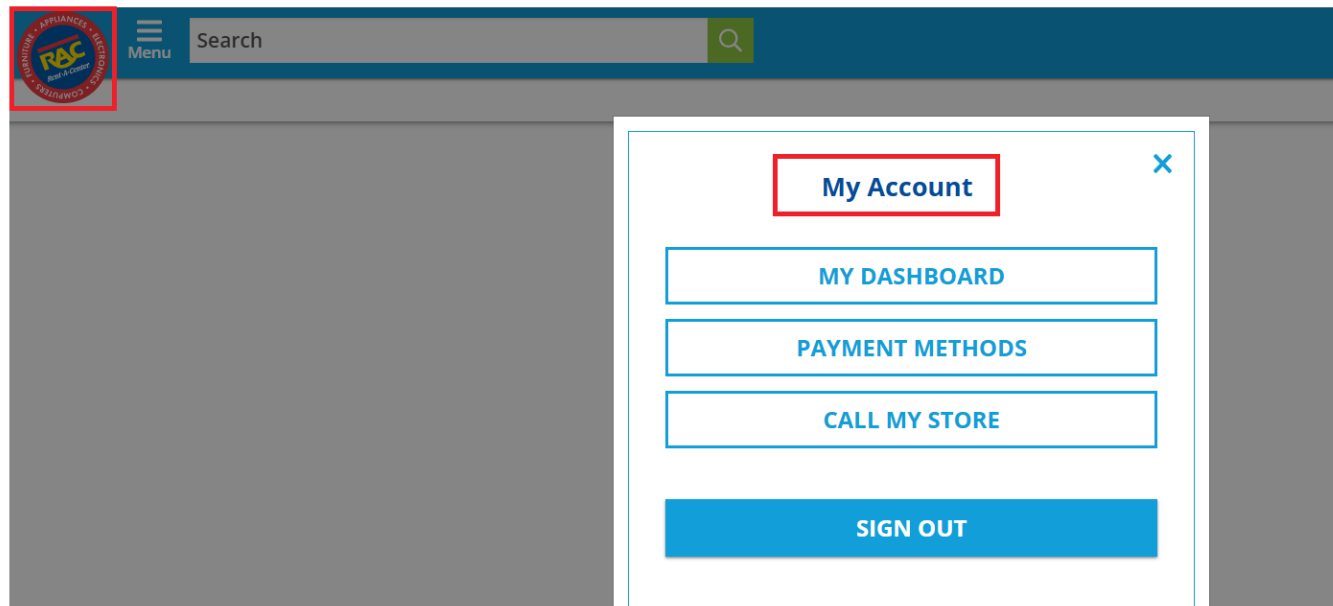
the second signal comprising a copy of the reusable identifier

Source: Fiddler capture of the accused instrumentality

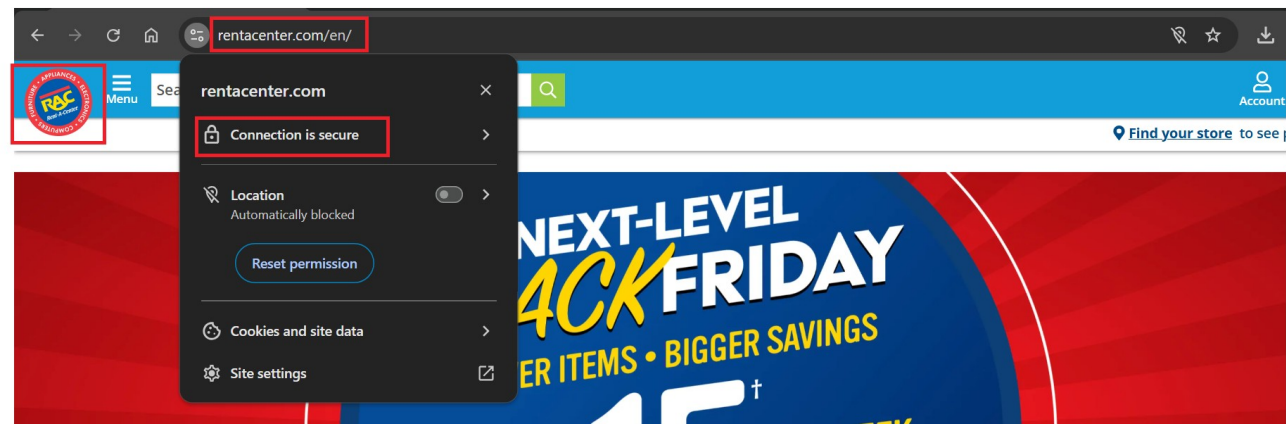


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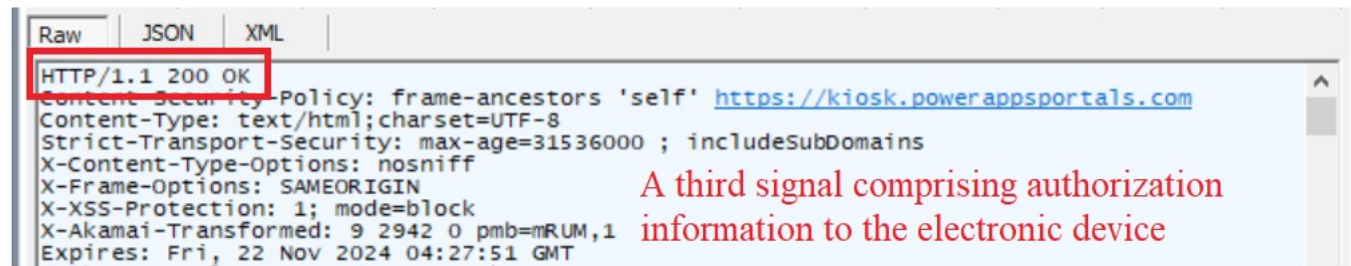
<https://www.rentacenter.com/en/>

	<div data-bbox="667 236 2018 1262"><h3>Security overview</h3><div></div><div><div>This page is secure (valid HTTPS).</div><div><div> Certificate - valid and trusted</div><div>The connection to this site is using a valid, trusted server certificate issued by R11.</div><div>View certificate</div></div><div><div> Connection - secure connection settings</div><div>The connection to this site is encrypted and authenticated using TLS 1.3, X25519, and AES_256_GCM.</div></div><div><div> Resources - all served securely</div><div>All resources on this page are served securely.</div></div></div></div> <div data-bbox="658 1270 1137 1302">https://www.rentacenter.com/en/</div>
in response to an indication	The accused instrumentality practices in response to an indication from the processor (e.g.,


from the processor that the user is authorized to conduct the at least one interaction with the secured capability, using the computer system to transmit a third signal comprising authorization information to at least one of the electronic device and the computer.

processor of the authentication server of the accused instrumentality, etc.) that the user is authorized to conduct the at least one interaction with the secured capability (e.g., secure connection with the website, etc.), using the computer system processor (e.g., authentication server of the accused instrumentality, etc.) to transmit a third signal comprising authorization information (e.g., a response signal from the server to the user device, etc.) to at least one of the electronic device (e.g., user device, etc.) and the computer.

As shown, upon authenticating the JSESSIONID, the user device receives an authentication confirmation message (a third signal), from the server to the user device.



Source: Fiddler capture of the accused instrumentality



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Cart

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